
ENVIRONMENTAL INFORMATION

5.1 INTRODUCTION

This section presents a description of the affected environment and potential environmental consequences that are associated with implementation of the El Segundo Power Redevelopment (ESPR) project. This section also presents proposed measures to mitigate or avoid identified significant adverse impacts, and discusses compliance with potentially pertinent laws, ordinances, regulations, and standards.

The analyses presented in this AFC section are based on the following: 1) details of the proposed ESPR project as presented in Section 3.0 (Facility Description and Location); 2) consideration of the California Energy Commission (CEC) 1997 regulations (Rules of Practice and Procedure & Power Plant Site Certification Regulations); and 3) consideration of CEC staff and other agency personnel input.

The environmental assessments presented in this section are meant to comply with CEC AFC requirements, including related California Environmental Quality Act requirements. Additionally, the information in this section is also intended to support the various approvals and permitting requirements that are discussed herein and in Section 7.0 (Compliance with Laws, Ordinances, Regulations, and Standards [LORS]).

Each subsection within Section 5.0 generally provides the text first, followed by tables and figures. The text outline generally follows the same format of describing the affected environment and existing site conditions, the environmental consequences of the proposed project, measures proposed to mitigate adverse environmental consequences, and the effectiveness of the proposed measures. Additionally, each subsection within Section 5.0 discusses compliance with LORS and lists the key references used to perform the analysis.

The balance of this section is as follows:

- Air Quality (5.2)
- Geologic Hazards and Resources (5.3)
- Agriculture and Soils (5.4)
- Water Resources (5.5)
- Biological Resources (5.6)
- Cultural Resources (5.7)
- Paleontological Resources (5.8)

- Land Use (5.9)
- Socioeconomics (5.10)
- Traffic and Transportation (5.11)
- Noise (5.12)
- Visual Resources (5.13)
- Waste Management (5.14)
- Hazardous Materials Handling (5.15)
- Public Health (5.16)
- Worker Safety (5.17)
- Transmission Line Safety and Nuisance (5.18)
- Power Plant Reliability and Efficiency (5.19)
- Cumulative Impacts (5.20).